



March 6, 2014

Ms. Marlene Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington , DC 20554

Re: Expression of Interest Letter – WC Docket 10-90, Connect America Fund

Please accept this letter as an expression of interest by Cambridge Telephone Company, Inc. "Cambridge" to participate in the FCC's Rural Broadband Experiments initiative, where funding will be made available from unallocated Connect America Fund reserves to deploy high speed, scalable, IP-based networks in rural areas.

Cambridge Telephone Company is a telecommunications and broadband provider with headquarters in Cambridge, Idaho. Cambridge Telephone Company provides voice, data, and video services to 1700 customers in a rural area of west central Idaho near Hell's Canyon and has been in existence since 1905. Cambridge Telephone Company is a rate of return incumbent local exchange provider with 5 exchange areas encompassing 1375 square miles. With a density of less than 2 customers per square mile Cambridge Telephone faces many challenges bringing advanced broadband services to our customer base at a cost that might be comparable to urban exchanges with densities that are much higher.

Currently Cambridge Telephone Company has a mix of FTTH and DSL facilities providing broadband to its customers throughout its service area. Although over 94% of all locations within the regulated service area are at speeds of 3 Mbps/786 kbps today, some last mile DSL copper facilities are aging which may cause achieved speeds to degrade and will not support higher speeds expected by customers going forward. Funds are needed to replace the older DSL and copper that are at the end of life so that Cambridge Telephone Company can meet customer demands for scalable high-speed broadband, provide customers access to their community anchor institutions, and transition to an all-IP network for these 1700 customers

Cambridge is interested in providing service to eligible locations in Census Tracts located in the geographic areas of Adams and Boise County, Idaho. According to the FCC's release of potentially eligible tracts, there are approximately 2,922 locations, categorized as eligible high cost and extremely high cost.

Census Block 16003950100	609 Locations
Census Block 16003950200	3 locations
Census Block 16015950200	2310 locations

Cambridge proposes to employ fiber to the premise and fixed wireless to deploy broadband capable networks in the referenced census tract areas.

The IP network described would be capable of immediately supporting voice and high-speed broadband of at least 4 Mbps downstream and 1Mbps upstream and up to 50Mbps upstream and downstream in areas served with FTTH technology. Anchor institutions could be able to receive broadband at the maximum speeds that would meet their current needs. Pricing for these services would be comparable to Cambridge's current service offerings.

The proposed experiment areas are served by either Century Link or Frontier Communications.

This proposal will allow Cambridge to assist State and local governments in providing both data and emergency services in the proposed areas. Additional fiber routes would be built to accommodate future local government needs.

Cambridge estimates that this experiment would require \$15,000,000 in one-time funding to construct the required facilities. Cambridge would require this amount in one time funding.

Cambridge appreciates the opportunity to participate in this process and is excited to facilitate the expansion of broadband to consumers residing in rural underserved and unserved areas. Please direct any questions regarding this letter to me at my contact information listed below.

Sincerely,



Richard A. Wiggins

President and General Manager
Cambridge Telephone Company